

**CLAIMS**

1. A valve assembly comprising:
  - a replacement valve; and
  - a tubular anchoring structure comprising a distal end, an inflow rim comprising a plurality of suture bores; and a plurality of vertical support posts comprising axial slots.
2. The valve assembly of claim 1, wherein said valve is positioned internally to said anchoring structure.
3. The valve assembly of claim 2, wherein said valve comprises an inflow annulus, an outflow annulus, and a plurality of leaflets.
4. The valve assembly of claim 3, wherein said inflow annulus is scalloped.